



Construction Procedure Bulletin

CPB 03-1 Paint Binder (Tack Coat) Guidelines

References: *Construction Manual*, Chapter 4, Section 3902E, "Street Operations"
Standard Specifications, Sections 39-6.02, 92 and 94
Manual for Quality Control and Quality Assurance, Section II, "Plant Inspection"
Principles of Construction of Hot-Mix Asphalt Pavements, FHWA, August 1982

Effective Date: March 3, 2003

Approved:

A handwritten signature in black ink, appearing to read 'Robert Pieplow', written over a horizontal line.

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Approval Date: February 20, 2003

Background

Paint Binder (often referred to as tack coat) is used to bind one surface to another. Consisting of an application of asphalt emulsion or hot paving asphalt, tack coat is applied to an existing pavement surface. A tack coat is used to ensure a good bond between the existing surface and the new asphalt concrete overlay and between the layers of each lift of asphalt concrete as well as vertical surfaces that the new pavement will be placed against.

Existing Procedure

Section 39-6.02 of the *Standard Specifications* leaves the decision of when to apply paint binder (tack coat) to the discretion of the engineer.

New Procedure

Tack coat guidelines are attached. The intent of these guidelines is to provide information concerning available tack coat materials, recommended uses, proper tack coat application rates, sampling, testing, measurement and payment, and use of tack coats with bituminous seals. Example calculations for measurement and payment of tack coats are also included.

Attachment